

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)

Test Compound: Bisphenol AF

CAS Number: 1478-61-1

Date Report Requested: 08/27/2019

Time Report Requested: 12:24:28

Lab: RTI

C Number:

MOG08002B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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	F0 Female			
	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	35	35	35	35
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 18 - 24, LD 0 - 28, SD 24 - 27)	35	35	35	35
Animals Examined Microscopically	3	2		2
ALIMENTARY SYSTEM				
LIVER	(2)	(2)	(0)	(0)
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
OVARY	(3)	(0)	(0)	(0)
UTERUS	(0)	(0)	(0)	(2)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				

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F0 Female

Treatment Groups (ppm)

	0	338	1125	3750
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RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

No Tissues/Organs Examined

No Systemic Lesions

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Tumor Summary Data for F0 Female	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	10	10	10	10
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 115 - 119)	10	10	10	10
Animals Examined Microscopically	10	10	10	10
Total number litters	10	10	10	10
ALIMENTARY SYSTEM				
ESOPHAGUS	(10)	(0)	(0)	(10)
INTESTINE, CECUM	(10)	(0)	(0)	(10)
INTESTINE, COLON	(10)	(0)	(0)	(10)
INTESTINE, DUODENUM	(10)	(0)	(0)	(10)
INTESTINE, ILEUM	(10)	(0)	(0)	(10)
INTESTINE, JEJUNUM	(10)	(0)	(0)	(10)
INTESTINE, RECTUM	(10)	(0)	(0)	(10)
LIVER	(10)	(0)	(2)	(10)
PANCREAS	(10)	(0)	(0)	(10)
SALIVARY GLAND	(10)	(0)	(0)	(10)
STOMACH	(10)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM				
AORTA	(10)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(10)

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	338	1125	3750
ENDOCRINE SYSTEM				
ADRENAL GLAND	(10)	(0)	(0)	(10)
PARATHYROID GLAND	(10)	(0)	(0)	(10)
PITUITARY GLAND	(10)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(10)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
COAGULATING GLAND	(10)	(10)	(10)	(9)
EPIDIDYMIS	(10)	(10)	(10)	(10)
PENIS	(2)	(0)	(0)	(1)
PREPUTIAL GLAND	(10)	(10)	(10)	(10)
PROSTATE GLAND	(10)	(10)	(10)	(10)
SEMINAL VESICLE	(10)	(10)	(10)	(10)
TESTIS	(10)	(10)	(10)	(10)
HEMATOLYMPHOID SYSTEM				
BONE MARROW, FEMUR	(10)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(10)	(0)	(0)	(10)
SPLEEN	(10)	(0)	(0)	(10)
THYMUS	(9)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
MAMMARY GLAND	(9)	(0)	(0)	(9)
SKIN	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
BONE, FEMUR	(10)	(0)	(0)	(10)
NASAL TURBINATES	(10)	(0)	(0)	(9)

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	338	1125	3750
NERVOUS SYSTEM				
BRAIN	(10)	(0)	(0)	(10)
RESPIRATORY SYSTEM				
LUNGS WITH BRONCHI	(10)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM				
EYE	(10)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(10)
ZYMBALS GLAND	(7)	(0)	(0)	(10)
URINARY SYSTEM				
KIDNEY	(10)	(0)	(0)	(10)
URINARY BLADDER	(10)	(0)	(0)	(10)
No Systemic Lesions				

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Tumor Summary Data for F1 Male Subchronic Male

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

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F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	10	10	10	10
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 116 - 120)	10	10	10	10
Animals Examined Microscopically	10	10	10	10
Total number litters	10	10	10	10
ALIMENTARY SYSTEM				
ESOPHAGUS	(10)	(0)	(0)	(10)
INTESTINE, CECUM	(10)	(0)	(0)	(10)
INTESTINE, COLON	(10)	(0)	(0)	(10)
INTESTINE, DUODENUM	(10)	(0)	(0)	(10)
INTESTINE, ILEUM	(10)	(0)	(0)	(10)
INTESTINE, JEJUNUM	(10)	(0)	(0)	(10)
INTESTINE, RECTUM	(10)	(0)	(0)	(10)
LIVER	(10)	(1)	(0)	(10)
PANCREAS	(10)	(0)	(0)	(10)
SALIVARY GLAND	(10)	(0)	(0)	(10)
STOMACH	(10)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM				
AORTA	(10)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(10)

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F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	338	1125	3750
ENDOCRINE SYSTEM				
ADRENAL GLAND	(10)	(0)	(0)	(10)
PARATHYROID GLAND	(7)	(0)	(0)	(8)
PITUITARY GLAND	(10)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(10)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
CERVIX	(10)	(10)	(10)	(10)
CLITORAL GLAND	(10)	(1)	(0)	(10)
OVARY	(10)	(10)	(10)	(10)
UTERUS	(10)	(10)	(10)	(10)
VAGINA	(10)	(10)	(10)	(10)
HEMATOLYMPHOID SYSTEM				
BONE MARROW, FEMUR	(10)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(9)	(0)	(0)	(10)
SPLEEN	(10)	(0)	(0)	(10)
THYMUS	(10)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
MAMMARY GLAND	(10)	(0)	(0)	(10)
SKIN	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
BONE, FEMUR	(10)	(0)	(0)	(10)
NASAL TURBINATES	(10)	(0)	(0)	(10)
NERVOUS SYSTEM				
BRAIN	(10)	(0)	(0)	(10)

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F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	338	1125	3750
RESPIRATORY SYSTEM				
LUNGS WITH BRONCHI	(10)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM				
EYE	(10)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(10)
ZYMBALS GLAND	(10)	(0)	(0)	(10)
URINARY SYSTEM				
KIDNEY	(10)	(0)	(0)	(10)
URINARY BLADDER	(10)	(0)	(0)	(9)
No Systemic Lesions				

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Tumor Summary Data for F1 Female Subchronic Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

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F1 Male: Prenatal Males

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	22	21	22	20
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 119 - 121)	22	21	22	20
Animals Examined Microscopically	7	3	2	20
Total number litters	7	3	2	20
ALIMENTARY SYSTEM				
INTESTINE, COLON	(2)	(1)	(0)	(0)
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
COWPERS GLAND	(2)	(0)	(1)	(16)
EPIDIDYMIS	(3)	(0)	(0)	(1)
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(2)	(0)	(1)	(18)
PREPUTIAL GLAND	(7)	(2)	(0)	(1)
PROSTATE GLAND	(2)	(0)	(0)	(19)
SEMINAL VESICLE	(2)	(1)	(1)	(19)
TESTIS	(3)	(0)	(0)	(1)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG08002B
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Species/Strain: Rat/Sprague-Dawley

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F1 Male: Prenatal Males

Treatment Groups (ppm)

0 338 1125 3750

INTEGUMENTARY SYSTEM

No Tissues/Organs Examined

MUSCULOSKELETAL SYSTEM

No Tissues/Organs Examined

NERVOUS SYSTEM

No Tissues/Organs Examined

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

No Tissues/Organs Examined

No Systemic Lesions

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

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Tumor Summary Data for F1 Male Prenatal Males

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

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F1 Female: Prenatal Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	22	21	22	20
Scheduled Sacrifice				
Early Deaths				
Euthanized, moribund	1			
Unscheduled Sacrifice				1
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 21, LD 0, PND 125 - 129)	21	21	22	19
Animals Examined Microscopically	3		1	19
Total number litters	3		1	19
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
CERVIX	(0)	(0)	(1)	(19)
OVARY	(2)	(0)	(1)	(19)
UTERUS	(0)	(0)	(1)	(19)
VAGINA	(0)	(0)	(1)	(19)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				

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F1 Female: Prenatal Females

	Treatment Groups (ppm)			
	0	338	1125	3750
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(1)	(0)	(0)	(0)
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				
No Systemic Lesions				

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Tumor Summary Data for F1 Female Prenatal Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

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F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	22	24	21	20
Scheduled Sacrifice				
Early Deaths				
Found Dead		1		
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 152 - 154)	22	23	21	20
Animals Examined Microscopically	22	24	21	20
Total number litters	22	24	21	20
ALIMENTARY SYSTEM				
LIVER	(2)	(1)	(1)	(0)
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
PITUITARY GLAND	(22)	(0)	(0)	(20)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

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F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	338	1125	3750
GENITAL SYSTEM				
COAGULATING GLAND	(22)	(24)	(21)	(20)
COWPERS GLAND	(22)	(24)	(21)	(20)
EPIDIDYMIS	(22)	(24)	(21)	(20)
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(22)	(24)	(21)	(20)
PENIS	(1)	(0)	(0)	(0)
PENIS, GLANS	(0)	(0)	(0)	(1)
PREPUTIAL GLAND	(22)	(24)	(21)	(20)
PROSTATE GLAND	(22)	(24)	(21)	(20)
SEMINAL VESICLE	(22)	(24)	(21)	(20)
TESTIS	(22)	(24)	(21)	(20)
HEMATOLYMPHOID SYSTEM				
SPLEEN	(0)	(1)	(0)	(0)
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

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Time Report Requested: 12:24:28
Lab: RTI

Tumor Summary Data for F1 Male Fertility Males

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	1	0	0
Total Malignant Neoplasms	0	2	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions
 Abridged) (a)
 Test Compound: Bisphenol AF
 CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
 Time Report Requested: 12:24:28
 Lab: RTI

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	22	24	21	20
Scheduled Sacrifice				
Early Deaths				
Unscheduled Sacrifice				1
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 46 - 50, LD 26 - 28, PND 158 - 162)	22	24	21	19
Animals Examined Microscopically	22	24	21	20
Total number litters	22	24	21	20
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
PITUITARY GLAND	(22)	(0)	(0)	(19)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
CERVIX	(22)	(24)	(21)	(20)
OVARY	(22)	(24)	(21)	(20)
OVIDUCT	(1)	(0)	(0)	(1)
UTERUS	(22)	(24)	(21)	(20)
VAGINA	(22)	(24)	(21)	(20)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	338	1125	3750
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(3)	(0)	(0)	(0)
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				
No Systemic Lesions				

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

Tumor Summary Data for F1 Female Fertility Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Male: F1 Extra Males

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	21	46	46	40
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	21	46	46	40
Animals Examined Microscopically	3		8	20
Total number litters	2		5	9
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
EPIDIDYMIS	(2)	(0)	(8)	(18)
TESTIS	(2)	(0)	(8)	(20)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Male: F1 Extra Males

Treatment Groups (ppm)

0 338 1125 3750

NERVOUS SYSTEM

No Tissues/Organs Examined

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

KIDNEY

(2) (0) (0) (0)

No Systemic Lesions

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

Tumor Summary Data for F1 Male F1 Extra Males

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Female: F1 Extra Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	45	29	48	17
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	45	29	48	17
Animals Examined Microscopically	1			
Total number litters	1			

ALIMENTARY SYSTEM

No Tissues/Organs Examined

CARDIOVASCULAR SYSTEM

No Tissues/Organs Examined

ENDOCRINE SYSTEM

No Tissues/Organs Examined

GENERAL BODY SYSTEM

No Tissues/Organs Examined

GENITAL SYSTEM

No Tissues/Organs Examined

HEMATOLYMPHOID SYSTEM

No Tissues/Organs Examined

INTEGUMENTARY SYSTEM

No Tissues/Organs Examined

MUSCULOSKELETAL SYSTEM

No Tissues/Organs Examined

NERVOUS SYSTEM

No Tissues/Organs Examined

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Female: F1 Extra Females

Treatment Groups (ppm)

0 338 1125 3750

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

KIDNEY

(1) (0) (0) (0)

No Systemic Lesions

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

Tumor Summary Data for F1 Female F1 Extra Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Male: PND28 Bio&MGWM Male

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	12	12	12	12
Scheduled Sacrifice				
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	12	12	12	12
Animals Examined Microscopically			1	3
Total number litters			1	3
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
EPIDIDYMIS	(0)	(0)	(0)	(3)
TESTIS	(0)	(0)	(1)	(3)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Male: PND28 Bio&MGWM Male

Treatment Groups (ppm)

0

338

1125

3750

NERVOUS SYSTEM

No Tissues/Organs Examined

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

No Tissues/Organs Examined

No Systemic Lesions

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

Tumor Summary Data for F1 Male PND28 Bio&MGWM Male

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
 Test Compound: Bisphenol AF
 CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
 Time Report Requested: 12:24:28
 Lab: RTI

F1 Female: Bio&MGWM @ VO

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Animals Initially In Study	12	12	12	12
Scheduled Sacrifice				
Early Deaths				
Unscheduled Sacrifice				1
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 26 - 39)	12	12	12	11
Animals Examined Microscopically	12	12	12	12
Total number litters	12	11	9	12
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
CERVIX	(2)	(0)	(0)	(0)
OVARY	(12)	(12)	(12)	(12)
OVIDUCT	(0)	(0)	(0)	(1)
UTERUS	(2)	(0)	(0)	(1)
VAGINA	(2)	(0)	(0)	(1)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

F1 Female: Bio&MGWM @ VO

Treatment Groups (ppm)

0 338 1125 3750

INTEGUMENTARY SYSTEM

No Tissues/Organs Examined

MUSCULOSKELETAL SYSTEM

No Tissues/Organs Examined

NERVOUS SYSTEM

No Tissues/Organs Examined

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

No Tissues/Organs Examined

No Systemic Lesions

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

Tumor Summary Data for F1 Female Bio&MGWM @ VO

	Treatment Groups (ppm)			
	0	338	1125	3750
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA05R: Incidence Rates of Neoplastic Lesions with Litter Incidence (Systemic Lesions Abridged) (a)

Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 08/27/2019
Time Report Requested: 12:24:28
Lab: RTI

LEGEND

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

(a) Systemic lesions are included once in the total lesion count regardless of how many times they occurred in a single animal

Number of litters shown in square brackets for F1 and F2 animals

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

**** END OF REPORT ****